

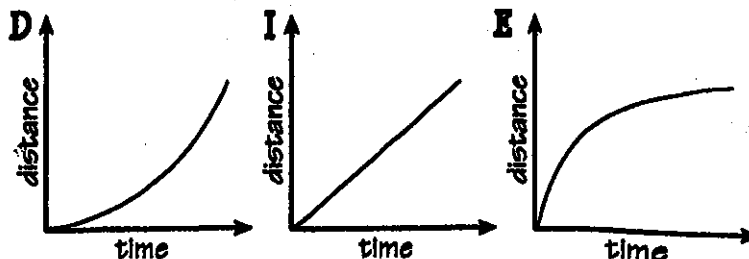
Why Did the Skeleton Visit a Butcher Shop?

Choose the best graph for the situation. Write the letter of your choice in each box with the exercise number.

Suppose you are riding a bike.
Let x = time; y = distance traveled.

Which graph shows:

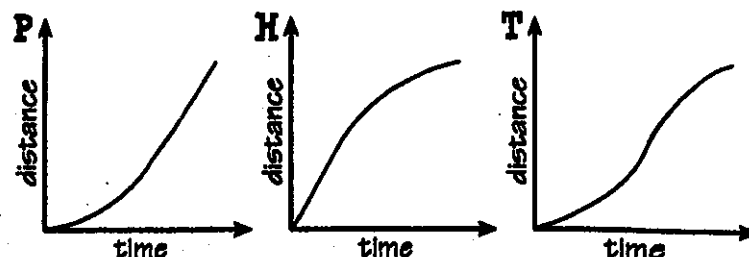
1. Speeding up (acceleration)?
2. Slowing down (deceleration)?
3. Constant speed?



Suppose you are walking to school.
Let x = time; y = distance traveled.

Which graph shows:

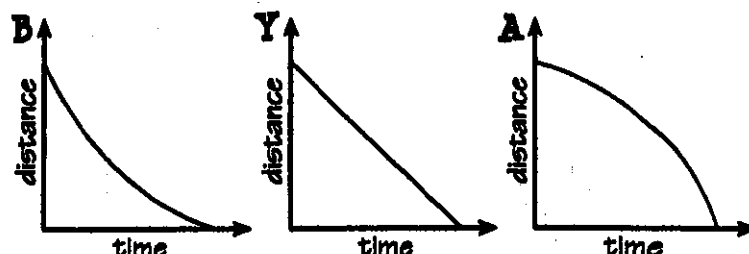
4. Speeding up, then slowing down?
5. Speeding up, then constant speed?
6. Constant speed, then slowing down?



Suppose you are running home.
Let x = time; y = distance from home.

Which graph shows:

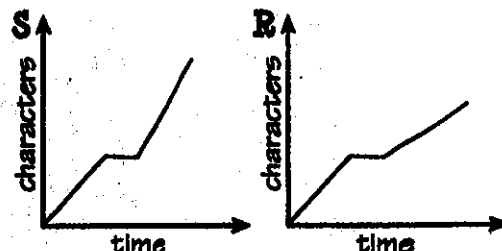
7. Constant speed?
8. Speeding up as you get closer?
9. Slowing down as you get closer?



Suppose you are writing a story on a computer.
Let x = time; y = number of characters typed.

Which graph shows:

10. Constant speed, then stop, then a faster constant speed?
11. Constant speed, then stop, then a slower constant speed?

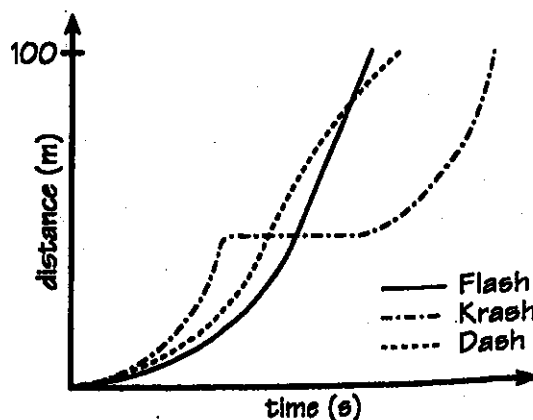


4	6	2	7	6	8	1	10	5	8	11	2	11	3	9	10
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The Hurdles Race

This sketch graph shows what happened when three athletes, Flash, Krash, and Dash, competed in a 100-meter hurdles race.

- a. How do you know that all three athletes were accelerating at the beginning of the race?
- b. Which athlete slowed down near the end of the race? How do you know?
- c. Which athlete maintained a constant speed during the last half of the race? How do you know?
- d. Why might part of the graph for Krash be horizontal?
- e. Who won the race? Just for Fun: Try calling the race.



Block _____
Date _____
Name _____